

MAHARASHTRA STATE ELECTRICITY TRANSMISSION COMPANY LTD.

Maharashtra State Load Despatch Centre, Kalwa

To,
Hon. Energy Minister/ Chief Secretary/ Energy Secretary.
Maharashtra State, Mumbai.

Sub: Report of the Power System position for the period 8-Apr-13 To 14-Apr-13

Date	Monday 8-Apr-13	Tuesday 9-Apr-13	Wednesday 10-Apr-13	Thursday 11-Apr-13	Friday 12-Apr-13	Saturday 13-Apr-13	Sunday 14-Apr-13
On Line Capacity (MW)							
MSPGCL THM	4825	4815	4689	5070	4713	4485	4648
MSPGCL HY	1324	1301	1343	1341	1361	1361	1355
MSPGCL GAS	440	540	540	540	490	540	540
MSPGCL TOTAL	6589	6656	6572	6951	6564	6386	6543
Cent. Sect.(incl. RGPPL)	5277	6018	6209	5055	5188	5482	5915
MSPGCL + CS	11866	12674	12781	12006	11752	11868	12458
TPCL	1877	1877	1877	1877	1877	1877	1877
REL	500	500	500	500	500	500	500
TPCL + REL	2377	2377	2377	2377	2377	2377	2377
CPP	2014	1960	1962	1904	1907	1932	1932
STATE OLC	16257	17011	17120	16287	16036	16177	16767
Morning Peak Demand (MW)	12 Hrs	11 Hrs	12 Hrs	11 Hrs	11 Hrs	11 Hrs	12 Hrs
MSPGCL THM	4929	4443	4703	4852	4495	4332	4625
MSPGCL HY	439	998	768	353	616	1424	323
MSPGCL GAS	525	546	533	552	530	509	594
MSPGCL TOTAL	5893	5987	6004	5757	5641	6265	5542
Cent. Sect.(incl. RGPPL)	6435	6412	6456	5966	5983	5918	6246
Wind	113	139	37	113	176	18	69
CPP	2426	2480	2505	2442	2481	2483	2456
TPCL Asst	-858	-783	-815	-477	-814	-635	-694
MSEDCL Catered	14009	14235	14187	13827	13467	14049	13619
Load Shedding (LS)	789	703	726	256	511	589	698
MSEDCL Demand(Incl LS)	14798	14938	14913	14083	13978	14638	14317
TPCL + REL Dem.	2946	2783	2936	2423	2911	2656	2185
State Demand (Incl LS)	17744	17721	17849	16506	16889	17294	16502
Sys. Freq. (Hz)	49.97	49.93	49.88	50.01	49.95	49.94	49.98
Evening Peak Demand (MW)	17 Hrs	17 Hrs	17 Hrs	17 Hrs	17 Hrs	17 Hrs	17 Hrs
MSPGCL THM	4554	4461	4521	4989	4279	4728	4647
MSPGCL HY	743	1022	1035	424	1025	675	204
MSPGCL GAS	526	541	517	519	531	564	590
MSPGCL TOTAL	5823	6024	6073	5932	5835	5967	5441
Cent. Sect.(incl. RGPPL)	5936	5640	5688	5152	5204	5169	5527
Wind	506	370	499	262	319	469	523
CPP	2431	2415	2434	2333	2478	2475	2459
TPCL Asst	-881	-792	-818	-500	-833	-725	-659
MSEDCL Catered	13815	13710	13876	13179	13003	13355	13291
Load Shedding (LS)	505	504	480	187	475	478	179
MSEDCL Demand(Incl LS)	14320	14214	14356	13366	13478	13833	13470
TPCL + REL Dem.	2831	2913	2829	2381	2923	2761	2027
State Demand (Incl LS)	17151	17127	17185	15747	16401	16594	15497
Sys. Freq. (Hz)	49.92	49.85	49.84	49.96	49.88	50	50.15

Copy s.w.rs to : M.D. (MSETCL) / Director (OP), MSETCL, Mumbai.

Copy to : S.E. (LM), MSEDCL, Mumbai.

Chief Engineer
MSLDC, Kalwa

SLDC,KALWA
MSPGCL WEEKLY FORCED & PLANNED UNIT OUTAGES

WEEK	8-Apr-13	TO	14-Apr-13
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A) (UNITWISE PLANNED/FORCED OUTAGE POSITION @ 05:30 HRS. OF THE DAY OF (MSPGCL THERMAL UNITS ONLY)

Sr.No	Date	8-Apr-2013		9-Apr-2013		10-Apr-2013		11-Apr-2013		12-Apr-2013		13-Apr-2013		14-Apr-2013	
	Day	MONDAY		TUESDAY		WEDNESDAY		THURSDAY		FRIDAY		SATURDAY		SUNDAY	
	Outage Type	PLANNED	FORCED	PLANNED	FORCED	PLANNED	FORCED	PLANNED	FORCED	PLANNED	FORCED	PLANNED	FORCED	PLANNED	FORCED
1	NASIK	*	*	*	*	*	*	*	*	*	*	*	4	*	4
2	KORADI	5	*	5	*	5	*	5	*	5	*	5	*	5	*
3	KHAPERKHEDA	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4	PARALI	3,4,5,6,7	*	3,4,5,6,7	*	3,4,5,6,7	*	3,4,5,6,7	*	3,4,5,6,7	*	3,4,5,6,7	*	3,4,5,6,7	*
5	CHANDRAPUR	*	5	*	5	*	5	*	*	*	6	*	6	*	*
6	BHUSAVAL	*	*	*	*	*	*	*	*	*	*	*	*	*	*
7	PARAS	*	*	*	*	*	*	*	*	*	*	*	*	*	4

REMARKS:- 1)THIS INFORMATION TO BE VERIFIED FROM CGM.(GEN.WORKS) MSPGCL,H.O. MUMBAI REPORT BEFORE SUBMITTING TO THE CABINET COMMITTEE
2) URAN GTPS UNITS ARE KEPT SHUT OR ON STAND BY MODE DUE TO GAS SHORTAGE.
3) Koradi U-1 to 4, Paras U-2, Parli U-1,2, Bhusawal U-1 and Nasik 1,2 are withdrawn being a vintage units.

B) WEEKLY CENTRAL SECTOR SHARE/DRAWL(IN MUs)

DATE	DAY	CENT.SECT. SHARE		TOTAL INTER STATE BILATERAL PURCHASE		TOTAL SHARE		TOTAL DRAWL		OVERDRAWL(+) UNDREDRAWL(-)	
		MUs	AVG. MW	MUs	AVG. MW	MUs	AVG. MW	MUs	AVG. MW	MUs	AVG. MW
		1		2		1+2=3		4		3-4=5	
8-Apr-2013	MONDAY	116.212	4842	10.510	438	126.722	5280	128.986	5374	2.264	94
9-Apr-2013	TUESDAY	115.606	4817	10.910	455	126.516	5272	125.452	5227	-1.064	-44
10-Apr-2013	WEDNESDAY	117.226	4884	11.780	491	129.006	5375	128.631	5360	-0.375	-16
11-Apr-2013	THURSDAY	113.447	4727	5.090	212	118.537	4939	121.038	5043	2.501	104
12-Apr-2013	FRIDAY	111.187	4633	7.670	320	118.857	4952	119.902	4996	1.045	44
13-Apr-2013	SATURDAY	116.060	4836	5.640	235	121.700	5071	123.514	5146	1.814	76
14-Apr-2013	SUNDAY	102.496	4271	18.180	758	120.676	5028	125.442	5227	4.766	199
	TOTAL	792.234		69.780		862.014		872.965		10.951	

Details of Koyna Water Consumption (In TMC)

DATE	For the Day	For the Month	Balance
8-Apr-13	0.069	0.815	7.936
9-Apr-13	0.129	0.944	7.807
10-Apr-13	0.100	1.044	7.707
11-Apr-13	0.043	1.087	7.664
12-Apr-13	0.139	1.226	7.525
13-Apr-13	0.210	1.436	7.315
14-Apr-13	0.039	1.475	7.276

Supply Position During Evening Peak (MW)

Date	Time	MSEDCL Generation				Central Sector Receipt	WIND	CPP	TPCL Exch	MSEDCL Catered Demand	Load Shedding (LS).	MSEDCL Demand (Incl LS)	TPCL Gen.	REL Gen.	State demand met	State Demand (Incl LS)	Freq.
		Thermal	Hydro	Gas	Total												
		MW	MW	MW	MW	MW	MW	MW	MW	MW	MW	MW	MW	MW	MW	MW	Hzs
8-Apr-13	17	4554	743	526	5823	5936	506	2431	-881	13815	505	14320	1425	525	16646	17151	49.92
9-Apr-13	17	4461	1022	541	6024	5640	370	2415	-792	13710	504	14214	1596	525	16623	17127	49.85
10-Apr-13	17	4521	1035	517	6073	5688	499	2434	-818	13876	480	14356	1485	526	16705	17185	49.84
11-Apr-13	17	4989	424	519	5932	5152	262	2333	-500	13179	187	13366	1355	526	15560	15747	49.96
12-Apr-13	17	4279	1025	531	5835	5204	319	2478	-833	13003	475	13478	1565	525	15926	16401	49.88
13-Apr-13	17	4728	675	564	5967	5169	469	2475	-725	13355	478	13833	1510	526	16116	16594	50.00
14-Apr-13	17	4647	204	590	5441	5527	523	2459	-659	13291	179	13470	843	525	15318	15497	50.15
Maximum		4989	1035	590	6073	5936	523	2478	-500	13876	505	14356	1596	526	16705	17185	50.15
Minimum		4279	204	517	5441	5152	262	2333	-881	13003	179	13366	843	525	15318	15497	49.84
Average		4597	733	541	5871	5474	421	2432	-744	13461	401	13862	1397	525	16128	16529	49.94

Supply Position During Morning Peak (MW)

Date	Time	MSEDCL Generation				Central Sector Receipt	WIND	CPP	TPCL Exch	MSEDCL Catered Demand	Load Shedding (LS).	MSEDCL Demand (Incl LS)	TPCL Gen.	REL Gen.	State demand met	State Demand (Incl LS)	Freq.
		Thermal	Hydro	Gas	Total												
		MW	MW	MW	MW	MW	MW	MW	MW	MW	MW	MW	MW	MW	MW	MW	Hzs
8-Apr-13	12	4929	439	525	5893	6435	113	2426	-858	14009	789	14798	1561	527	16955	17744	49.97
9-Apr-13	11	4443	998	546	5987	6412	139	2480	-783	14235	703	14938	1476	524	17018	17721	49.93
10-Apr-13	12	4703	768	533	6004	6456	37	2505	-815	14187	726	14913	1596	525	17123	17849	49.88
11-Apr-13	11	4852	353	552	5757	5966	113	2442	-477	13827	256	14083	1421	525	16250	16506	50.01
12-Apr-13	11	4495	616	530	5641	5983	176	2481	-814	13467	511	13978	1571	526	16378	16889	49.95
13-Apr-13	11	4332	1424	509	6265	5918	18	2483	-635	14049	589	14638	1496	525	16705	17294	49.94
14-Apr-13	12	4625	323	594	5542	6246	69	2456	-694	13619	698	14317	965	526	15804	16502	49.98
Maximum		4929	1424	594	6265	6456	176	2505	-477	14235	789	14938	1596	527	17123	17849	50.01
Minimum		4332	323	509	5542	5918	18	2426	-858	13467	256	13978	965	524	15804	16502	49.88
Average		4626	703	541	5870	6202	95	2468	-725	13913	610	14524	1441	525	16605	17215	49.95

Details of Supply Position (MUs)

Date	MSEDCL Generation					Central Sector Receipt	Central Sector Share	WIND	CPP	TPCL Gen	R-Infra Gen	TPCL Exch	Energy Requirement		
	Thermal	Hydro	Gas	Pench(MS)	Total								MSEDCL	MUMBAI	State
8-Apr-13	113.879	7.552	12.063	0.285	133.779	128.986	126.722	11.576	56.466	28.723	12.568	-15.470	315.335	56.758	372.093
9-Apr-13	110.864	11.676	12.859	0.831	136.230	125.452	126.516	9.701	57.356	31.040	12.578	-14.252	314.488	57.870	372.358
10-Apr-13	110.835	9.855	12.769	0.415	133.874	128.631	129.006	10.175	58.157	30.580	12.618	-14.531	316.306	57.717	374.023
11-Apr-13	114.282	7.241	12.737	0.401	134.661	121.038	118.537	7.104	57.251	29.052	12.630	-10.308	309.746	51.986	361.732
12-Apr-13	108.168	11.711	12.433	0.392	132.704	119.902	118.857	7.773	58.830	30.894	12.400	-14.421	304.788	57.712	362.500
13-Apr-13	107.551	13.517	12.663	0.234	133.965	123.514	121.700	7.666	59.714	31.022	12.609	-12.928	311.931	56.556	368.487
14-Apr-13	111.691	5.911	14.126	0.013	131.741	125.442	120.676	9.170	59.022	22.136	12.604	-14.257	311.119	48.998	360.117
Maximum	114.282	13.517	14.126	0.831	136.230	128.986	129.006	11.576	59.714	31.040	12.630	-10.308	316.306	57.870	374.023
Minimum	107.551	5.911	12.063	0.013	131.741	119.902	118.537	7.104	56.466	22.136	12.400	-15.470	304.788	48.998	360.117
Average	111.039	9.638	12.807	0.367	133.851	124.709	123.145	9.024	58.114	29.064	12.572	-13.738	311.959	55.371	367.330

MAHARASHTRA STATE ELECTRICITY TRANSMISSION COMPANY LTD.

Maharashtra State Load Despatch Centre, Kalwa

Information for Weekly Cabinet Meeting

For the Week

8-Apr-13

to

14-Apr-13

Demand Supply Summary

	Morning Peak (MW)	Evening Peak (MW)
Average Peak Demand	14524	13862
Average Peak Supply	13913	13461
Average Load Relief (LS)	610	401

Average Supply Summary

	Morning Peak (MW)	Evening Peak (MW)	Mus
Thermal	4626	4597	111.04
Gas	541	541	12.81
Hydro	703	733	9.64
CS Drawal (Total)	6202	5474	124.71
TPCL	-725	-744	-13.74

Koyna Water position

	Water in TMC Feet
Average Water Used Per Day	0.104
Balance Left	7.276
Balance Left Last Year Same Week	11.499

MSPGCL Unit Outage Position

Date	MSPGCL (in MW)		
	Planned	Forced	Total
8-Apr-13	1330	500	1830
9-Apr-13	1330	500	1830
10-Apr-13	1330	500	1830
11-Apr-13	1330	0	1330
12-Apr-13	1330	500	1830
13-Apr-13	1330	710	2040
14-Apr-13	1330	460	1790

Distressed Load Shedding

Maxm. No. of Hours in a day	0
Number of Days	0

GENERATING UNIT OUTAGES FOR THE WEEK

FROM 8-Apr-13 TO 14-Apr-13

UNIT UNDER PLANNED OUTAGE

name	unit_no	derat_cap	date_trip	time_trip	date_sync	time_sync	reasondes
Koradi	Unit 5	200	16-Sep-12	04.23		Continued.	C.O.H., Generator Stator Replacement.
Parli	Unit 4	210	28-Nov-12	02.37		Continued.	water shortage.
Koyna	Unit 12	80	29-Nov-12	08.30		Continued.	A/OH.
Cent_Sect	Tarapur 2	80	31-Dec-12	17.05		Continued.	Refuelling work
Parli	Unit 6	250	25-Jan-13	19.49		Continued.	Water Shortage/AOH from 06.03.2013
Parli	Unit 3	210	13-Feb-13	23.50		Continued.	Water Shortage
Parli	Unit 5	210	14-Feb-13	22.45		Continued.	Water Shortage
Parli	Unit 7	250	17-Feb-13	01.00		Continued.	Water Shortage.
Cent_Sect	TARAPUR-3	540	30-Mar-13	22.30		Continued.	AOH.

UNIT UNDER FORCED OUTAGE

name	unit_no	derat_cap	date_trip	time_trip	date_sync	time_sync	reason
Dabhol	2B	230	3-Jan-13	13.29		Continued.	Gas shortage.
CPP	Adani U1	660	31-Jan-13	17:05		Continued.	No Schedule.
CPP	WPCL U-4	135	4-Feb-13	19.16		Continued.	ID fan vibration problem.
Dabhol	2A	230	6-Feb-13	21.32		Continued.	Gas Shortage
Dabhol	2X	290	6-Feb-13	21.32		Continued.	Gas Shortage
Uran	Unit 7	108	2-Apr-13	10.45	8-Apr-13	07.54	Gas Restriction
Chandrapur	Unit 5	500	6-Apr-13	12.20	10-Apr-13	17.16	Economiser Tube Leakage.
CPP	VIPL	300	6-Apr-13	13.25	10-Apr-13	16.40	Tripped.
Koyna	Unit 11	80	9-Apr-13	07.00	9-Apr-13	18.55	Maintenance work.
Bhusawal	Unit 5	500	10-Apr-13	11.17	14-Apr-13	03.03	Air heater problem.
Bhusawal	Unit 4	500	11-Apr-13	17.13	11-Apr-13	19.46	High Drum Level
Chandrapur	Unit 6	500	11-Apr-13	19.54	13-Apr-13	06.57	Condensor Vaccum pressure high
Nasik	Unit 4	210	13-Apr-13	00.05	15-Apr-13	05.00	Boiler Tube Leakage.
Paras	Unit 4	250	13-Apr-13	17.36		Continued.	Boiler Tube Leakage.
Dabhol	1B	230	13-Apr-13	01.22		Continued.	Gas Shortage.
Dabhol	1A	230	14-Apr-13	01.22		Continued.	Gas Shortage.
Dabhol	1X	290	14-Apr-13	01.24		Continued.	Gas Shortage.

LINE OUTAGES FOR THE WEEK

FROM 8-Apr-13 TO 14-Apr-13

Voltage	Name	date_trip	time_trip	date_sync	time_sync	Reason
400KV	Bhusawal- Aurangabad	1-Apr-13	16.32	8-Apr-13	08.38	Over Voltage.
400KV	Wardha (PG) - Warora - I	2-Apr-13	17.06	8-Apr-13	10.22	Over Voltage.
400KV	Kolhapur - Mapusa - II	6-Apr-13	16.22	8-Apr-13	09.38	Over Voltage.
400KV	Karad-Kolhapur-II	7-Apr-13	16.36	8-Apr-13	07.05	Over Voltage.
400KV	Karad - Kolhapur - I	7-Apr-13	17.10	8-Apr-13	08.18	Over Voltage.
400KV	Dhule-Sar'Sarovar - I	7-Apr-13	17.16	9-Apr-13	09.03	Over Voltage.
400KV	New Koyna-Jaigad II	8-Apr-13	08.16	8-Apr-13	13.49	Cold line insulator washing.
400KV	Babaleshwar - Dhule - I	8-Apr-13	10.53	8-Apr-13	20.53	Repl.of cut poing damaged insulator string.(Taken on TBC at BBLR end.)
400KV	400/220 KV 315 MVA ICT-II @ Nagothane	8-Apr-13	15.10	8-Apr-13	17.53	Neutral bushing leakage.
400KV	Karad - Kolhapur - I	8-Apr-13	16.45	9-Apr-13	07.00	Over Voltage.
400KV	Bhusawal- Aurangabad	8-Apr-13	16.32	13-Apr-13	09.27	Over Voltage.
400KV	Dabhol - Nagothane - I	8-Apr-13	08.22	8-Apr-13	17.30	Cold line insulator washing.
400KV	Dhule - S'Sarovar- II	8-Apr-13	12.15	8-Apr-13	13.12	While shifting ICT II of Dhule on TBC.
400KV	Dhule-Khandwa-I	8-Apr-13	12.15	8-Apr-13	13.13	While shifting ICT II of Dhule on TBC.
400KV	Dhule-Khandwa-II	8-Apr-13	12.15	8-Apr-13	13.17	While shifting ICT II of Dhule on TBC.
400KV	Kolhapur - Mapusa - II	8-Apr-13	18.34	9-Apr-13	09.25	Over Voltage.
400KV	400/220 KV 315 MVA ICT- I @ Dhule	8-Apr-13	12.15	8-Apr-13	20.00	While shifting ICT II on TBC.
400KV	400/220 KV 315 MVA ICT- II @ Dhule	8-Apr-13	12.15	8-Apr-13	20.43	While shifting ICT II on TBC.
400KV	400/220 KV 315 MVA ICT- II @ Dhule	9-Apr-13	11.16	10-Apr-13	18.51	CRM and testing work.Taken on TBC.
400KV	Karad-Jaigad I	9-Apr-13	12.31	9-Apr-13	12.50	For trial of PG isolator assembly testing.
400KV	Kalwa-Padgha-II	9-Apr-13	10.45	9-Apr-13	10.58	Tripped (Transient fault).
400KV	Jejuri-Koyna STG-IV	9-Apr-13	09.04	9-Apr-13	09.38	Distance Protection.
400KV	Karad - Kolhapur - I	9-Apr-13	17.53	10-Apr-13	07.22	Over Voltage.
400KV	Kolhapur - Mapusa - I	9-Apr-13	21.50	10-Apr-13	09.10	Over Voltage.
400KV	Padgha - Kharghar	10-Apr-13	09.57	10-Apr-13	17.53	CRM Testing.Line taken on TBC.
400KV	Lonikand - Parli - I	10-Apr-13	11.06	10-Apr-13	13.27	Replacement of faulty disc insulator.
400KV	Karad - Kolhapur - I	10-Apr-13	17.14	11-Apr-13	08.21	Over Voltage.
400KV	Kolhapur - Mapusa - I	10-Apr-13	16.42	11-Apr-13	09.50	Over Voltage.
400KV	Wardha-Warora-II	10-Apr-13	14.23	12-Apr-13	15.59	Distance protection R ph.to earth.
400KV	Parli (PG)-Bhadravati I	10-Apr-13	19.35	13-Apr-13	11.14	To attend CVT problem at Bhadravati.
400KV	Dhule-S'Sarovar I	11-Apr-13	02.09		Continued.	Over Voltage.
400KV	Karad - Kolhapur - I	11-Apr-13	17.03	12-Apr-13	08.23	Over Voltage
400KV	Kolhapur-Mapusa-II	11-Apr-13	16.31	12-Apr-13	09.18	Over Voltage
400KV	Parli - Lamboti	11-Apr-13	18.00	11-Apr-13	19.30	Over Voltage
400KV	New Koyna - Stage IV	11-Apr-13	09.57	11-Apr-13	19.21	Cold Line Washing of Insulator String
400KV	400/220 KV,500MVA ICT - III at Parly	11-Apr-13	09.30	11-Apr-13	18.54	Hot Spot
400KV	Lonikand-Kalwa	12-Apr-13	08.33	12-Apr-13	18.02	Bay Maint.& Measure of C B Timing & Tandelta.
400KV	400/220KV,500 MVA ICT-III At A'bad.	12-Apr-13	10.24	12-Apr-13	17.42	To Attend Alignment Prob. of 29C Isol.
400KV	Koradi-Satpur	12-Apr-13	15.44	12-Apr-13	21.31	Hot Spot Y Phase C T.
400KV	Wardha (PG) - Warora - I	12-Apr-13	20.50	14-Apr-13	10.48	Attending Sparking on B Ph.L A.
400KV	Kolhapur - Mapusa - I	12-Apr-13	16.41	13-Apr-13	09.07	Over Voltage.
400KV	Parli - Solapur (PGCIL) - I	12-Apr-13	17.54	12-Apr-13	18.54	Over Voltage.
400KV	400/220 KV 315 MVA ICT - I @ Aurangabad	12-Apr-13	17.48	12-Apr-13	17.53	Load Balancing.
400KV	Karad - Kolhapur - I	12-Apr-13	18.50	13-Apr-13	06.32	Over Voltage.
400KV	400/220KV 500MVA ICT-III at Bableshwar	13-Apr-13	00.15	13-Apr-13	19.52	Painting of IPS Tube & Support Insulator.
400KV	400/220KV 315 MVA ICT-II at Korady	13-Apr-13	09.39	13-Apr-13	15.41	Arresting Heavy Oil Leakage from B Ph.400KV Bushing Gasket.
400KV	New Koyna - Stage IV	13-Apr-13	09.10	13-Apr-13	17.03	Cold Line Washing of Insulator.
400KV	400/220KV 315MVA ICT-II @ BBLSR	13-Apr-13	20.11	13-Apr-13	21.07	Emergency H/T Due to Dislocation of Trmp.Meter.
400KV	Karad - Kolhapur - II	13-Apr-13	16.42	14-Apr-13	06.23	Over Voltage.
400KV	Bhusawal- Aurangabad	13-Apr-13	16.20		Continued.	Over Voltage.
400KV	Akola - Aurangabad - I	13-Apr-13	10.55	13-Apr-13	11.46	For Taking Out Line Reactor @ Akola End.
400KV	Kolhapur - Mapusa - I	13-Apr-13	17.07	14-Apr-13	13.32	Over Voltage.
400KV	Chandrapur - Parli - III	13-Apr-13	17.25	14-Apr-13	06.42	Distance Protection.
400KV	Bay @ Koradi	13-Apr-13	08.07		Continued.	Maintenance & Testing Work,Taken on TBC.
400KV	New Koyna - Jaigad - II	14-Apr-13	05.26	14-Apr-13	19.30	Distance protection Zone2 B ph. to earth.
400KV	Newkoyna - Jaigad - I	14-Apr-13	05.57	14-Apr-13	09.54	Distance protection Zone2 B ph. to earth.
400KV	New Koyna - StageIV - I	14-Apr-13	09.30	14-Apr-13	19.27	Cold Washing of Insulator.
400KV	Karad - Kolhapur - I	14-Apr-13	17.51	15-Apr-13	06.44	Over Voltage.
400KV	Kolhapur - Mapusa - II	14-Apr-13	13.21	14-Apr-13	14.29	D/P, Y-N,Z-I.
400KV	Kolhapur - Mapusa - II	14-Apr-13	16.41		Continued.	Over Voltage.
400KV	Parli - Lamboti	14-Apr-13	17.59	14-Apr-13	18.57	Over Voltage, DT Received @ Parli.
400KV	Warora - Wardha (PG) - II	14-Apr-13	17.46	14-Apr-13	22.52	Over Voltage, DT Received @ Warora End.
220KV	220/100KV 200 MVA ICT- I @ Padgha	6-Mar-13	11.41	12-Apr-13	17.05	Isolator replacement work(Up to 10/4/13)
220KV	Bus Coupler @ Boiser	31-Mar-13	09.33	8-Apr-13	13.36	Bkr Repl.work under JICA.
220KV	Borivali (M) - Gorai (Rel) - I (cable)	31-Mar-13	21.56	13-Apr-13	23.50	Line diferential protection , dist.,protection tripped at both ends.
220KV	Gorai - Borivali - II	4-Apr-13	12:03	12-Apr-13	12.45	Safety Purpose.(to work of 220 KV Gorai-Borivali - I Work.)
220KV	Nerul -Sonkhar	8-Apr-13	07.40	8-Apr-13	09.09	R-Ph CT oil leakage.
220KV	Uran - JNPT	8-Apr-13	09.35	8-Apr-13	17.15	Line maint and testing work.
220KV	Nivali-N'koyna	8-Apr-13	09.48	8-Apr-13	14.56	Tree cutting and testing work.
220KV	Karad - Nigade	8-Apr-13	09.45	8-Apr-13	12.23	Tan delta measurement work.
220KV	Talndage-Tilawani	8-Apr-13	10.11	8-Apr-13	16.39	Hot Spot on R,Y-Ph CT.
220KV	Bus section - I @ Pawas	8-Apr-13	16.05	8-Apr-13	17.23	Attending hot spot.
220KV	Kalmeshwar - Pandurna	8-Apr-13	13.10	8-Apr-13	13.40	Transient fault.
220KV	220/6.6 KV 40 MVA Station T/F - III @ Kor	8-Apr-13	11.44	8-Apr-13	17.37	Attending oil leakage.
220KV	ONGC-TSS	9-Apr-13	10.05	9-Apr-13	12.49	Bus outage.
220KV	Kandalgaon - ONGC	9-Apr-13	10.04	9-Apr-13	12.45	Bus outage.

220KV	Main Bus at ONGC	9-Apr-13	10.05	9-Apr-13	12.49	Erection of hybrid pass.
220KV	Theur - Magarpatta	9-Apr-13	16.02	9-Apr-13	19.02	Distance Protection.
220KV	Kandalgaon - Sonalloy	9-Apr-13	12.32	9-Apr-13	13.08	Distance Protection.
220KV	Pawas-Kharepattan	9-Apr-13	11.40	9-Apr-13	12.53	LA washing work.
220KV	Girawli - Parly - IV	9-Apr-13	09.10	9-Apr-13	18.40	Line maintenance work.
220KV	Hinganghat - RLY TSS - II	9-Apr-13	16.03	9-Apr-13	18.05	Measurement of contact resistances.
220KV	Parly - Harangul - II.	9-Apr-13	15.25	9-Apr-13	17.48	Replacement of jumper.
220KV	220/33KV,100 MVA,ICT-II at Valve	9-Apr-13	09.55	9-Apr-13	15.50	Replacement of cu clamp by al clamp.
220KV	Parly Ext - Nanded - II	9-Apr-13	19.40	9-Apr-13	20.22	Distance protection Zone 2.
220KV	Bale-Lamboti II	10-Apr-13	10.25	10-Apr-13	20.00	Conductor replacement work.
220KV	Paras - Akola - II	10-Apr-13	16.41	10-Apr-13	21.27	R Ph.CT jumper replacement work.
220KV	Temburne-Jeur	10-Apr-13	10.55	10-Apr-13	17.08	Q.M.Work
220KV	Murud - Girawli.	10-Apr-13	18.20	10-Apr-13	18.52	Distance protection.
220KV	Kalmeshwar - Pandurna	10-Apr-13	08.55	10-Apr-13	19.31	Stringing work.
220KV	New Paras TPS - Akola - I	10-Apr-13	12.04	10-Apr-13	21.27	Replacement of Y and R ph.jumper.
220KV	Khaperkheda - Koradi	10-Apr-13	08.16	10-Apr-13	13.11	Alignment of 29C isolator.
220KV	Sahara-B'dying	11-Apr-13	08.28	11-Apr-13	15.45	Replacement of Line Isolator
220KV	Khaparkheda-Kawlewada-I	11-Apr-13	00.04	11-Apr-13	00.25	Distance protection
220KV	Paras - Akola - I	11-Apr-13	23.29	12-Apr-13	00.15	Hot Glow observed on Y Phase 29C Isolator
220KV	Karad-Mudsingi-IV	12-Apr-13	08.59	12-Apr-13	18.48	Repl.of Old Disc Insul. by Long Road Polymer.
220KV	220/132KV 150 MVA ICT- I Boiser	12-Apr-13	10.21	12-Apr-13	16.10	Diagnostic Test as per the Inst.of S E,TCC Vashi.
220KV	Hinganghat-Bhugaon	12-Apr-13	07.54	12-Apr-13	19.52	Stringing Work of 765KV D/C Raipur Wardha Parli-III.
220KV	Warora-Wardha	12-Apr-13	07.55	12-Apr-13	19.41	Stringing Work of 765KV D/C Raipur Wardha Parli-III
220KV	Karad - Vita - I	12-Apr-13	10.39	12-Apr-13	13.16	Tan Delta Testing Work of C T's.
220KV	Bale-Usmanabad	12-Apr-13	11.36	12-Apr-13	17.35	Armouring Work @ Loc No.95.
220KV	Jambhul - Anandnagar	12-Apr-13	09.02	12-Apr-13	19.55	Maintenance Work.
220KV	Nivali-Pawas	12-Apr-13	12.20	12-Apr-13	13.29	Hot Washing Work,from M/S Finolex.
220KV	Bhenda-Waluj	12-Apr-13	09.08	12-Apr-13	18.01	To Control A'bad Loading for A'bad ICT Outage.
220KV	Aurangabad - Babaleshwar	12-Apr-13	09.36	12-Apr-13	18.00	To Control A'bad Loading for A'bad ICT Outage.
220KV	Murud - Girawli.	12-Apr-13	11.39	12-Apr-13	18.15	In View of Usmanabad-Bale Outage.
220KV	Chikhali - Jalna - II	12-Apr-13	00.29	12-Apr-13	08.55	To Control Over Loading of 220KV Paras-Chikhili.
220KV	Chikhali - Jalna - II	12-Apr-13	17.57			Continued. To Control Over Loading of 220KV Paras-Chikhili.
220KV	220/110 KV 200 MVA T/F - I @ Mudsinghi	12-Apr-13	10.25	12-Apr-13	17.15	Q.M.Work.
220KV	Alephata-Kathapur	12-Apr-13	09.33	12-Apr-13	18.12	To Control Bblsr ICT Loading(Outage on A'bad ICT).
220KV	Babaleshwar - Alephata	13-Apr-13	00.08	13-Apr-13	21.13	To Avail Outage on ICT-III @ Bblsr.
220KV	Ghodbandar - Bhoisor (MSETCL)	13-Apr-13	06.12			Continued. To Attend Hot Spot.
220KV	Karad-Mudsingi-IV	13-Apr-13	08.21	13-Apr-13	17.50	Replacement of Old Insulator by Long Rod Polymer.
220KV	Halkarni - Momewadi -I	13-Apr-13	09.00	13-Apr-13	13.30	Replacement of Flash Insulator Loc.No.153,Y Phase.
220KV	Hinganghat-Bhugaon	13-Apr-13	08.11	13-Apr-13	16.31	Stringing Work of 765 KV D/C Raipur Wardha Parli-III.
220KV	Warora-Wardha	13-Apr-13	08.11	13-Apr-13	16.26	Stringing Work of 765 KV D/C Raipur Wardha Parli-III.
220KV	Main Bus @ Raymand	13-Apr-13	10.31	14-Apr-13	05.00	220 KV Main Bus Outage.
220KV	Raymond-Washala	13-Apr-13	10.31	14-Apr-13	05.15	220 KV Main Bus Outage.
220KV	Nasik-Raymond	13-Apr-13	10.09	14-Apr-13	05.10	220 KV Main Bus Outage.
220KV	220/132KV 200MVA ICT-I @ Raymond	13-Apr-13	10.29	14-Apr-13	05.16	220 KV Main Bus Outage.
220KV	Babaleshwar - Nagar - II	13-Apr-13	09.17	13-Apr-13	14.53	Pre Monsoon & Q.M.Work.
220KV	Tarapur - Boiser	13-Apr-13	10.33			Continued. Mumbai Stengthing Work & Now Line Tarapur-Ghodbunder.
220KV	Bhugaon-Pusad	13-Apr-13	18.15	13-Apr-13	18.24	Distance Protection.
220KV	220/132 KV 200 MVA ICT - II @ Raymand	13-Apr-13	10.21	14-Apr-13	05.19	220 KV Main Bus Outage.
220KV	Pawas - Newali	14-Apr-13	04.15	14-Apr-13	04.54	D/P Z-II,Y Ph to Earth from Newali.
220KV	Pawas-Kharepattan	14-Apr-13	04.15	14-Apr-13	04.26	Back up Protection.
220KV	Pedambe - Oni	14-Apr-13	04.13	14-Apr-13	04.24	Back Up Protection.
220KV	Nerul - Sonkhar	14-Apr-13	08.27	14-Apr-13	12.04	Replacement of R Ph. C T Due to Oil Leakage.
220KV	Kalwa - Borivali	14-Apr-13	05.31	14-Apr-13	12.04	C C Burst @ Kalwa.
220KV	Pawas-Kharepattan	14-Apr-13	06.18	14-Apr-13	12.30	D/P Zone-I,R Ph.Earth.
220KV	Tarapur-Borivali	14-Apr-13	05.32	14-Apr-13	05.58	Tripped.
220KV	Main Bus I @ Kalwa I	14-Apr-13	08.59	14-Apr-13	17.36	To Connect the Jumper of 220KV Kharghar-Kalwa Line & 220KV Siemens-Kalwa Lines @ Gantry Structure of 400KV Kalwa @ Proposed Bays.
220KV	Borivali(M)-Borivali(T)-5	14-Apr-13	10.50	14-Apr-13	18.16	GIS Roff Work in Vicinity of Line @ Tata Borivali End.
220KV	Versova-Ghodbandar	14-Apr-13	14.45	14-Apr-13	23.02	R Ph.WT Burst @ Versova,Causing Bus-II Bus Bar Protection.
220KV	Bus Coupler at Versova	14-Apr-13	14.45	14-Apr-13	15.02	R Ph.WT Burst @ Versova,Causing Bus-II Bus Bar Protection.
220KV	Bus- II @ Versova	14-Apr-13	14.45	14-Apr-13	15.02	R Ph.WT Burst @ Versova,Causing Bus-II Bus Bar Protection.
220KV	Aarey-Versova	14-Apr-13	14.45	14-Apr-13	15.10	R Ph.WT Burst @ Versova,Causing Bus-II Bus Bar Protection.
220KV	Versova-Dhanu	14-Apr-13	14.45	14-Apr-13	15.06	R Ph.WT Burst @ Versova,Causing Bus-II Bus Bar Protection.
220KV	220/33 KV 100 MVA T/F - IV @ Versova	14-Apr-13	14.45	14-Apr-13	15.06	R Ph.WT Burst @ Versova,Causing Bus-II Bus Bar Protection.
220KV	220/33 KV 100 MVA T/F - V @ Versova	14-Apr-13	14.45	14-Apr-13	15.08	R Ph.WT Burst @ Versova,Causing Bus-II Bus Bar Protection.
132KV	Waghala- Jangamwadi	9-Apr-13	20.25	9-Apr-13	20.54	Distance protection Zone 1.
132KV	Waghala-Jangamwadi II	9-Apr-13	20.25	9-Apr-13	21.09	Distance protection Zone 1.
132KV	Amravati - Achalpur	10-Apr-13	14.50	10-Apr-13	14.57	Over current protection operated.
132KV	Paras-Akot	10-Apr-13	14.38	10-Apr-13	14.55	Distance protection operated.
132KV	Kallamb - Bhoom	10-Apr-13	19.40	11-Apr-13	03.50	Distance protection operated.
132KV	Niwali-Ujni	10-Apr-13	20.08	10-Apr-13	20.30	Distance protection operated.
132KV	Ambazari-Manakapur Ckt.II	11-Apr-13	20.50	11-Apr-13	21.21	Distance Protection
132KV	Hingna I - Mankapur CKT.	13-Apr-13	17.05	13-Apr-13	17.25	Distance Protection Operated Zone-I.
132KV	Ghatanji-Pandharkawda	13-Apr-13	17.23	13-Apr-13	17.58	Distance Protection Operated Zone-I.
132KV	Parli-Talegaon	13-Apr-13	17.30	13-Apr-13	17.50	Distance Protection Operated Zone-II.
132KV	Yavatmal - Panderkawada	13-Apr-13	18.02	13-Apr-13	18.55	Bus Bar Protection Operated.